



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SIGNIFICANT SOYBEAN HARVEST PROGRESS

Producers continued to make rapid progress on the soybean harvest, well ahead of the five-year average pace, according to the USDA, NASS, Minnesota Field Office. As of September 23, soybeans harvested advanced 29 percentage points from the previous week to reach 45 percent complete, compared to 5 percent complete for the five-year average. The average moisture content of harvested soybeans was 11 percent. Soybean conditions were rated 3 percent very poor, 8 percent poor, 29 percent fair, 48 percent good, and 12 percent excellent. Statewide, 6.7 days were rated suitable for fieldwork during the week.

Corn harvested advanced 18 points from the previous week to reach 30 percent harvested, compared to 2 percent average. The average moisture content of harvested corn was 19 percent. Other harvest activities included dry beans at 87 percent, potatoes at 71 percent, sugarbeets at 15 percent, and sunflowers at 18 percent complete. The sweet corn harvest was nearly complete at 97 percent harvested.

The statewide average temperature was 6.7° below normal. At many locations, overnight temperatures dropped to near freezing or below during the week. Precipitation amounts varied, with several reporting stations recording over one half of an inch in northeastern and southwestern parts of the state. Topsoil moisture supplies were rated 33 percent very short, 45 percent short, and 22 percent adequate.

Range and pasture conditions were rated 27 percent very poor, 28 percent poor, 28 percent fair, 16 percent good, and 1 percent excellent.

Days Suitable for Fieldwork: 6.7

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	33	45	22	0

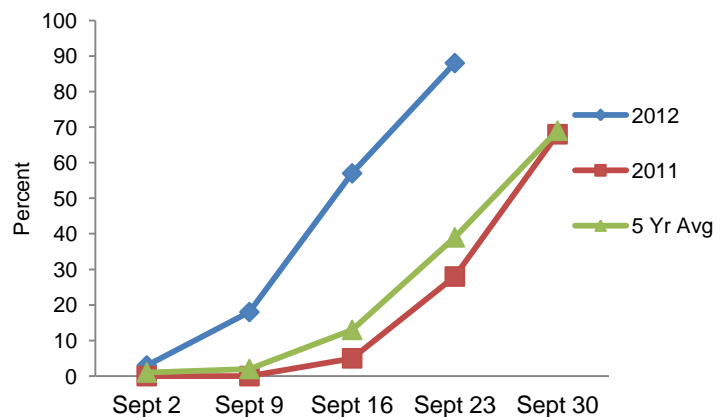
Crop Progress as of September 23, 2012

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Mature	94	80	45	46
Corn	Harvested	30	12	1	2
Corn	Moisture Content	19	21	NA	NA
Soybeans	Dropping Leaves	96	84	65	73
Soybeans	Mature	88	57	28	39
Soybeans	Harvested	45	16	2	5
Soybeans	Moisture Content	11	12	NA	NA
Sweet Corn	Harvested	97	93	95	92
Potatoes	Harvested	71	50	45	50
Sugarbeets	Harvested	15	12	4	9
Sunflowers	Harvested	18	1	0	2
Dry Beans	Harvested	87	72	45	51

Condition as of September 23, 2012

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	27	28	28	16	1
Sugarbeets	1	2	19	63	15
Sunflowers	1	2	15	60	22
Corn	4	11	30	45	10
Soybeans	3	8	29	48	12

Soybeans Mature



The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 23, 2012:
Temperatures averaged from 9.0 degrees below normal in the Northwest District to 5.3 degrees below normal in the East Central District. Extremes: 16 degrees in Warroad; 83 degrees in Lamberton, Pipestone, Winona Dam. Average precipitation ranged from 0.65 inch below normal in the Southeast District to 0.22 inch below normal in the North Central District. Greatest weekly total of 0.63 inch was recorded in International Falls.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/17/2012 through 9/23/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since Apr 30	Depart from Norm
<u>NW DIST 1</u>										
Crookston	65	25	48.4	-7.0	0	-.54	-2.29	-5.86	2487	349
Itasca	M	M	M	M	M	M	-2.87m	-2.68m	1778m	-68m
Moorhead	68	25	49.2	-8.1	.02	-.58	-2.29	-4.85	2662	323
Warroad	60	16	40.4	-13.1	.44	-.20	-2.11	-1.33	1958	82
<u>NC DIST 2</u>										
Grand Rapids	62	28	47.0	-7.7	.41	-.37	-2.62	7.19	2222	220
Intl. Falls	60	20	43.0	-8.9	.63	-.08	-1.95	-1.44	1964	251
<u>NE DIST 3</u>										
Duluth	67	33	47.6	-6.4	.53	-.44	-3.01	5.07	2155	416
Grand Marais	64	38	49.8	-4.6	.41	-.31	-2.09	2.04	1636	239
Hibbing	61	22	44.5	-7.0	.50	-.23	-2.12	3.23	1942	356
<u>WC DIST 4</u>										
Alexandria	67	32	49.6	-7.5	.01	-.64	-2.56	-.79	2547	290
Breckenridge	75	28	51.0	-5.9	.34	-.41	-2.50	-3.12	2559	260
Browns Valley	73	23	51.0	-6.5	.15	-.46	-2.14	-4.50	2521	194
Canby	76	32	53.4	-6.0	.18	-.53	-2.31	-4.02	2699	199
Montevideo	82	26	51.3	-7.1	.16	-.60	-2.87	-1.54	2677	272
Morris	76	27	50.2	-7.2	.02	-.65	-2.54	-4.44	2529	241
Wheaton	73	33	50.8	-6.7	0	-.73	-2.52	-1.02	2555	185
<u>CENT DIST 5</u>										
Becker	79	31	53.6	-4.9	.16	-.77	-3.57	.49	2681	313
Collegeville	69	34	53.1	-6.5	.02	-.78	-3.32	-.37	2719	224
Hutchinson	79	30	53.0	-6.0	.46	-.21	-2.70	2.08	2745	302
Melrose	77	30	51.3	-5.3	0	-.74	-2.78	-.34	2517	317
Olivia	80	27	52.8	-5.1	.40	-.35	-2.61	-2.91	2648	266
St. Cloud	73	30	51.2	-5.8	.15	-.64	-3.09	-.75	2629	389
Wadena	75	27	48.6	-6.2	.33	-.34	-2.28	3.69	2261	288
Willmar	78	28	51.2	-7.5	.05	-.70	-3.19	-3.56	2609	165
<u>EC DIST 6</u>										
Aitkin	65	28	48.2	-6.6	.33	-.46	-2.45m	12.08m	1937m	7m
Forest Lake	81	31	54.3	-4.5	.26	-.56	-2.99	2.19	2725	292
MSP Airport	76	36	54.2	-6.2	.19	-.48	-2.80	1.49	3005	393
Mora	78	28	51.5	-4.5	.29	-.52	-2.68	2.66	2433	298
St. Paul - UofM	78	33	54.0	-4.8	.30	-.52	-2.96	-.99	2800	367
<u>SW DIST 7</u>										
Lamberton	83	29	53.4	-5.6	.55	-.21	-2.13	-1.29	2766	309
Marshall	82	32	54.4	-4.9	.52	-.19	-1.95m	-2.13m	2925	417
Pipestone	83	23	51.3	-6.9	.53	-.23	-1.95	1.38	2675	298
Redwood Falls	74	30	52.6	-7.0	.40	-.28	-2.33	-.57	2869	332
Worthington	81	29	53.4	-5.4	.11	-.62	-2.80	-4.88	2740	342
<u>SC DIST 8</u>										
North Mankato	81	30	53.7	-5.7	.02	-.69	-2.50	-8.42	2775	284
Owatonna	80	23	52.4	-7.4	.15	-.67	-2.84	-.59	2805	338
Waseca	81	24	51.2	-8.6	.22	-.59	-2.73	-6.93	2738	228
Winnebago	81	31	54.1	-5.8	.22	-.52	-2.53	-3.73	2847	328
<u>SE DIST 9</u>										
Cannon Falls	72	34	52.3	-6.0	.12	-.63	-2.76m	7.16m	1570m	-788m
Preston	78	26	52.5	-6.5	.15	-.68	-1.86	-6.79	2676	328
Red Wing	80	33	54.5	-5.6	.09	-.74	-3.09	5.70	2821	322
Rochester	76	32	52.3	-7.1	.18	-.58	-2.18	-6.13	2790	365
Rosemount	80	32	54.4	-4.9	.17	-.63	-2.99	1.79	2743	326
Winona Dam	83	36	54.6	-5.5	.12	-.69	-2.01	-6.01	2794	335

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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